AUTO-SCSI TERMINATION ENABLE IN A CPCI HOT SWAP SYSTEM

ABSTRACT OF THE DISCLOSURE

A Compact Peripheral Component Interconnect (CPCI) system includes a circuit board with a front card (e.g., motherboard) coupled to a transition card via the circuit board. The CPCI system is adapted to provide for the dynamic replacement of the front card connected with a Small Computer System Interface (SCSI) device. The CPCI system includes a transition card that is adapted to provide the termination at the SCSI bus extremity (end) when its corresponding front card is removed. Preferably, the transition card allows for termination on its corresponding front card and not on the transition card when both the front card and the transition card are present (normal operating mode). The transition card's transition termination features are automatically enabled upon extraction of its corresponding front card and automatically disabled upon insertion of its corresponding front card. In the case that the front card is not at the extremity of the SCSI bus, it is possible to permanently disable the termination on the front card and/or the transition card by using override switches on the front card and/or the transition card.

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